

FIG 1

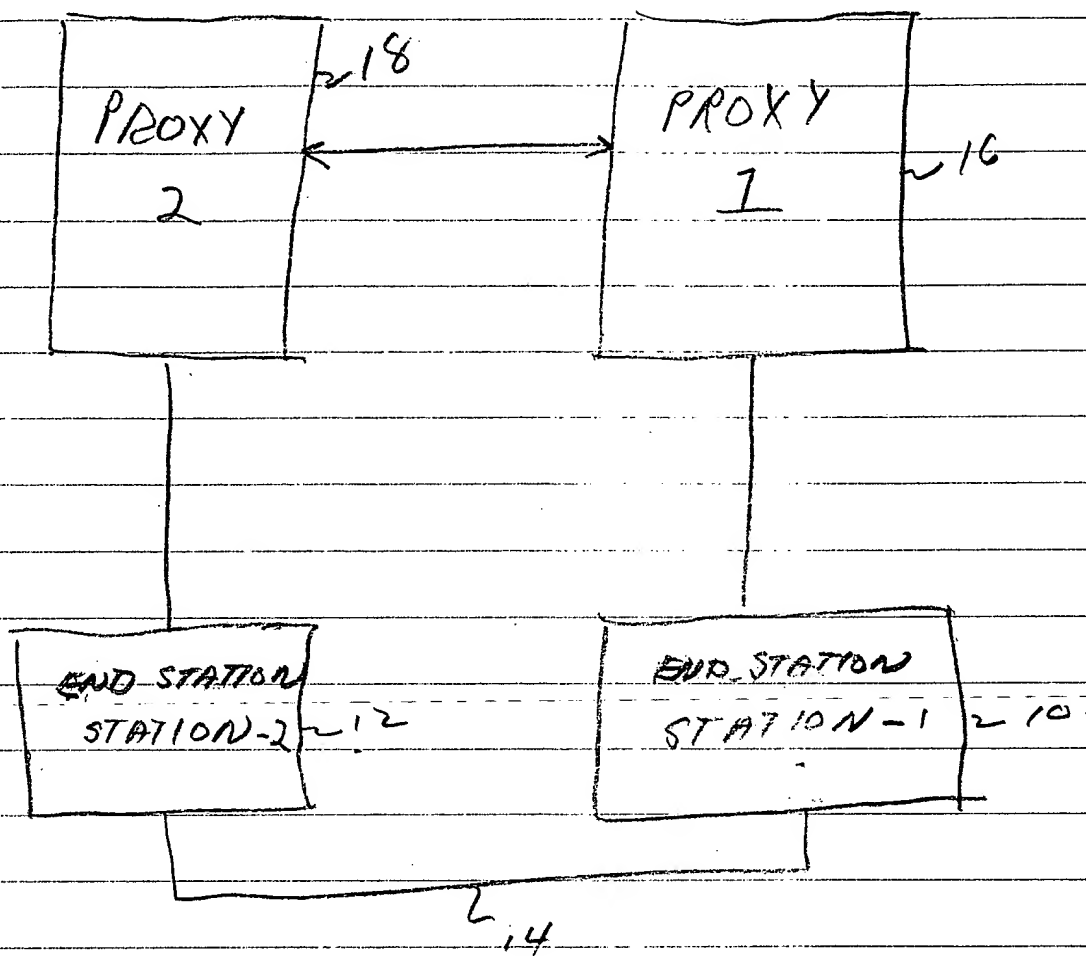


FIG 1

END USER STATION-1
SELECTS X_1, g 20

COMPUTE g^{X_1} 22

ENCRYPT g^{X_1}
WITH PASSWORD
PW1 24

GENERATE CHALLENGE C_1
TO
END USER STATION-2 26

GENERATE CHALLENGE C_2
TO
PROXY-1 28

TRANSFER DATA
TO
PROXY 1 30

FIG-2

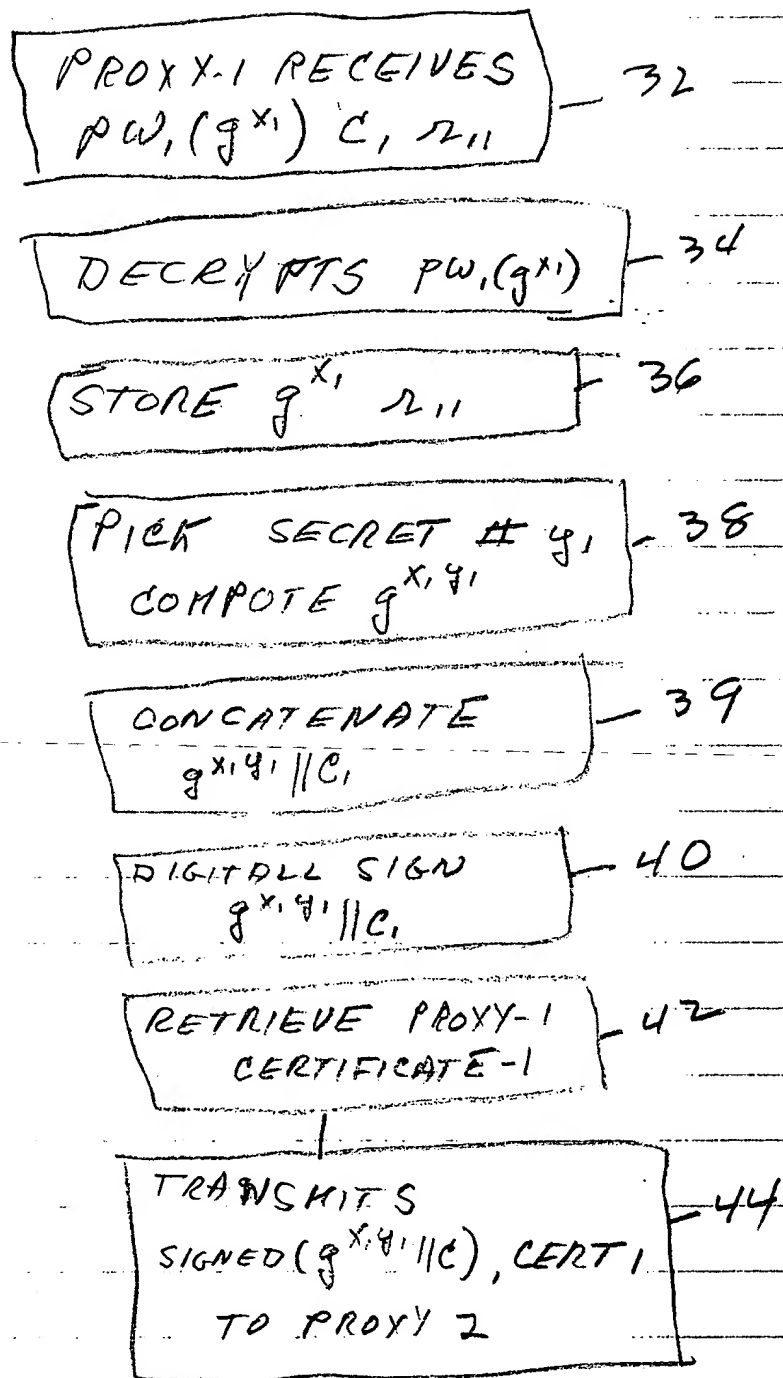


FIG 3

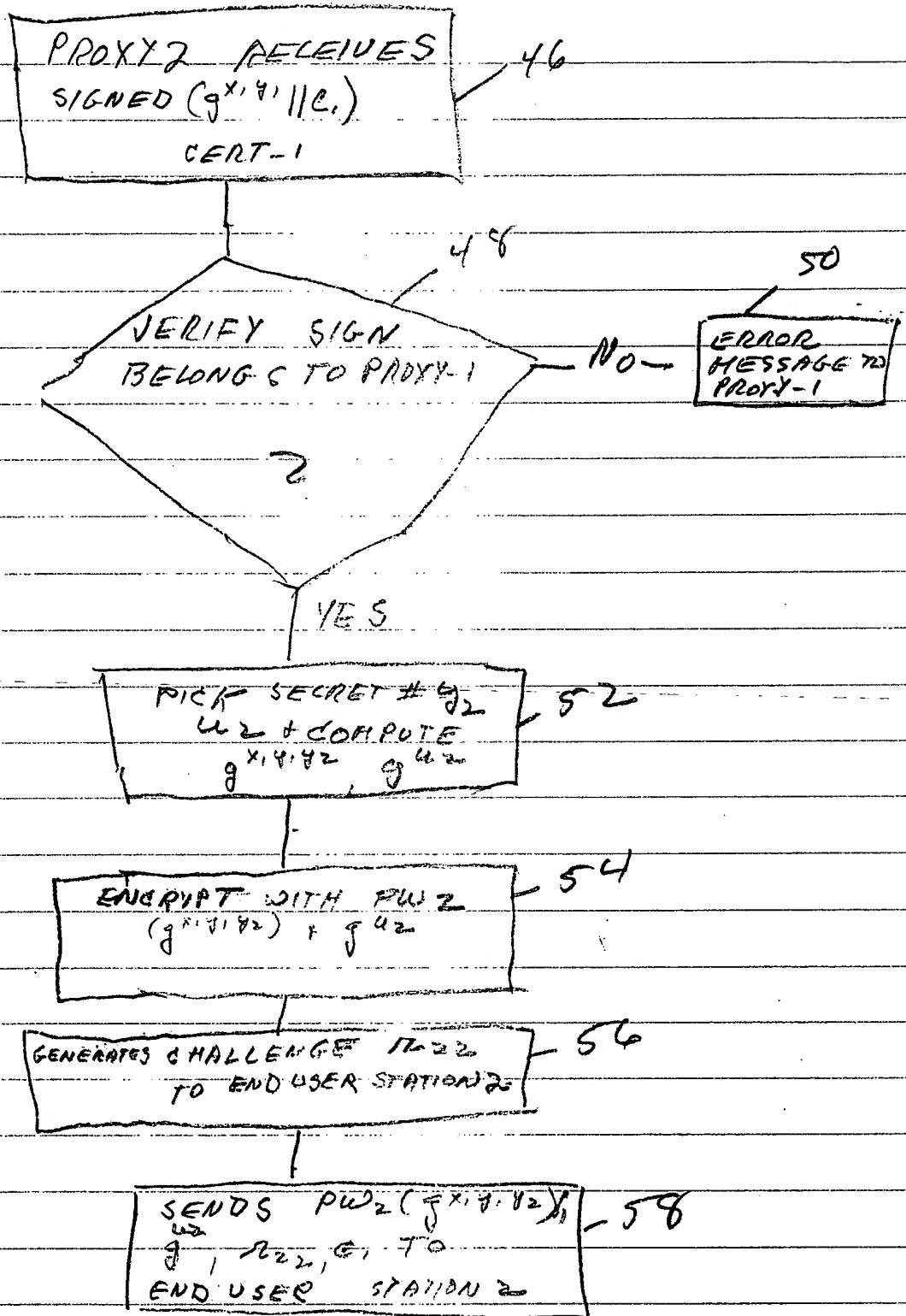


FIG 4

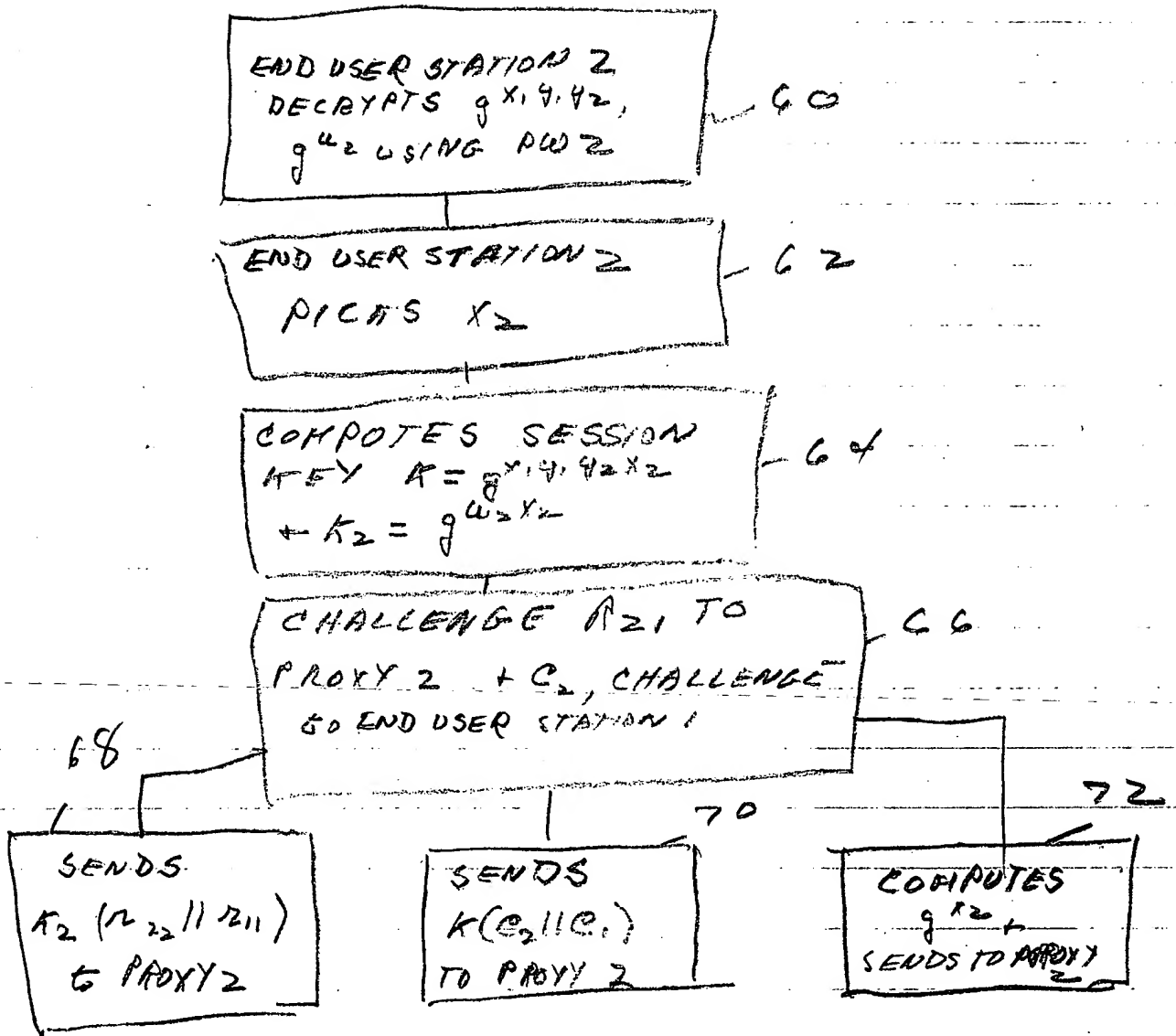


FIG 5

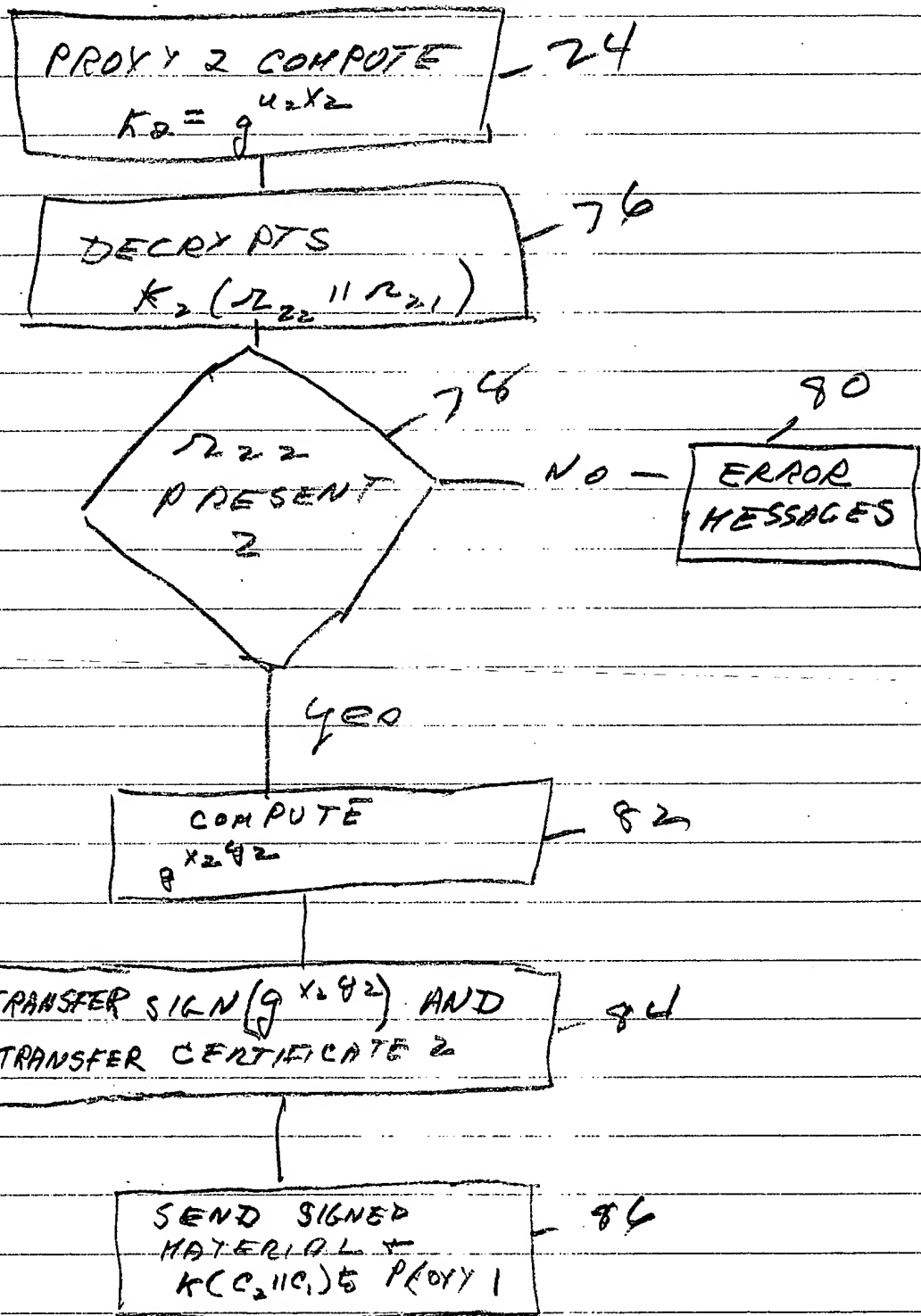


FIG 6

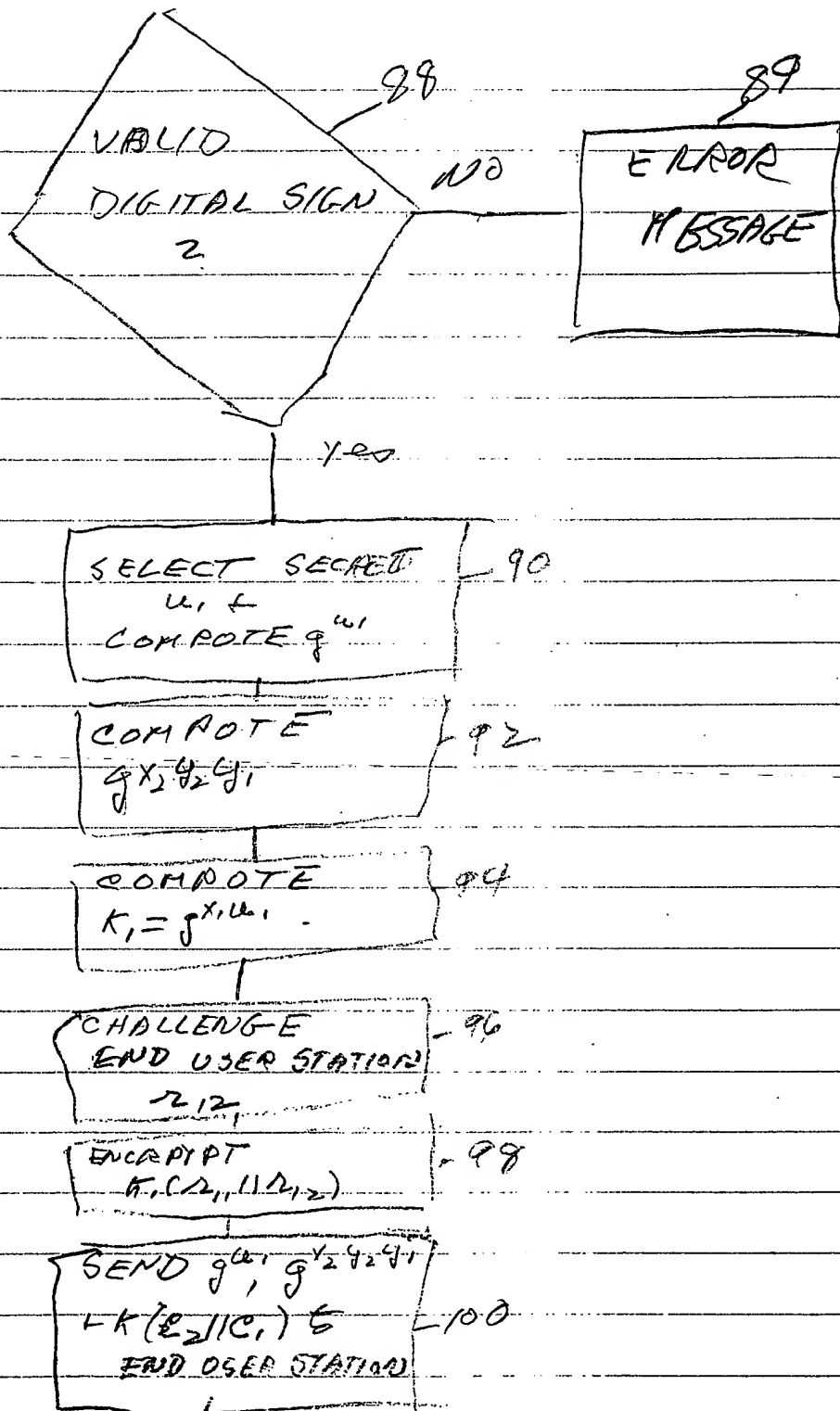


FIG 7

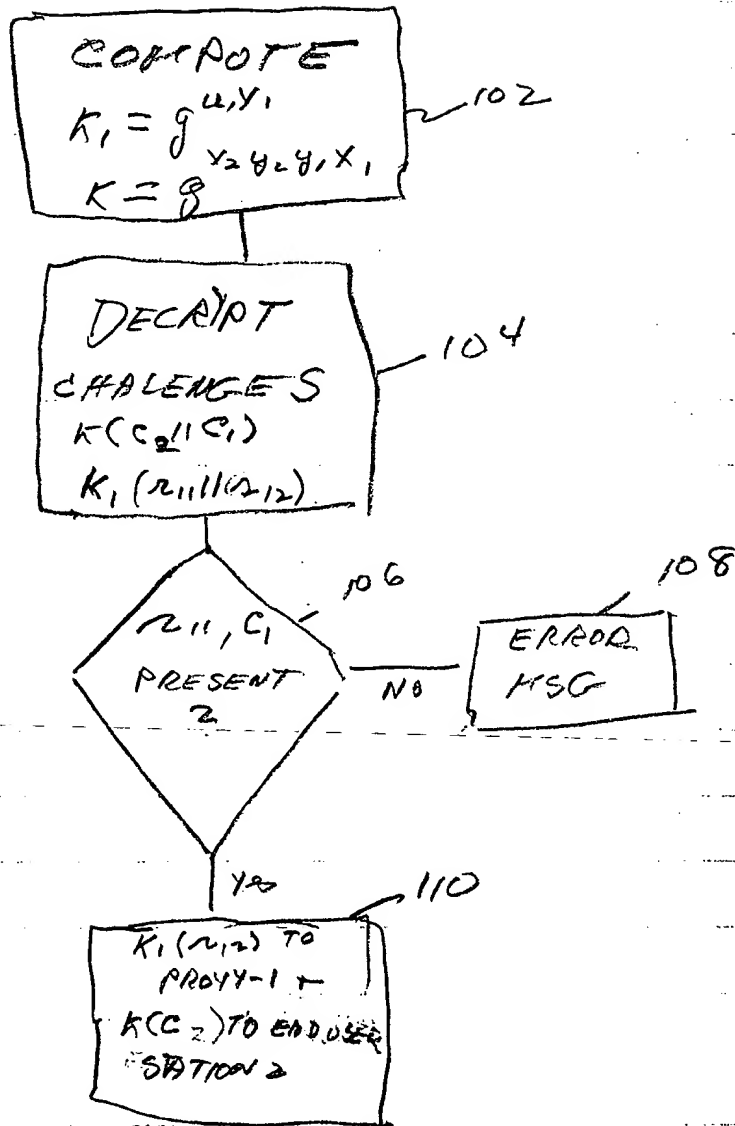


FIG 8

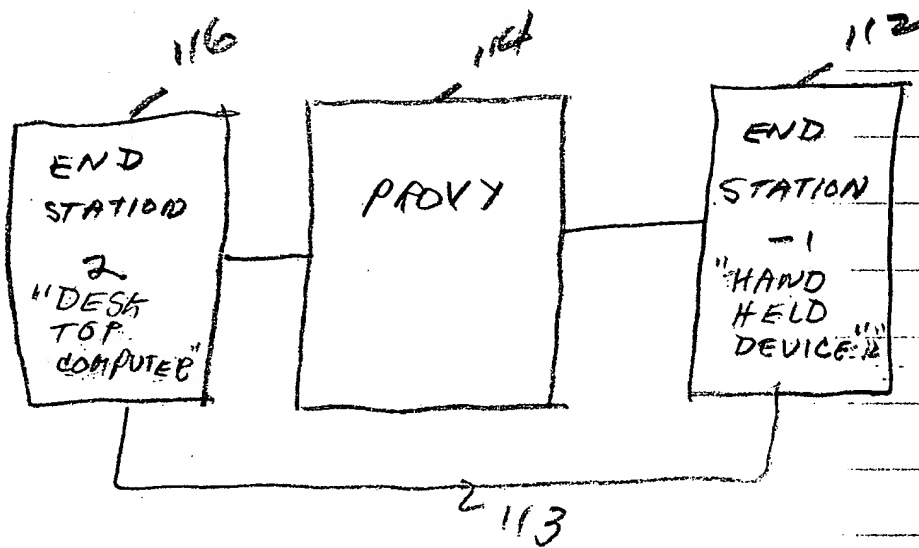


FIG 9

00854101.054101

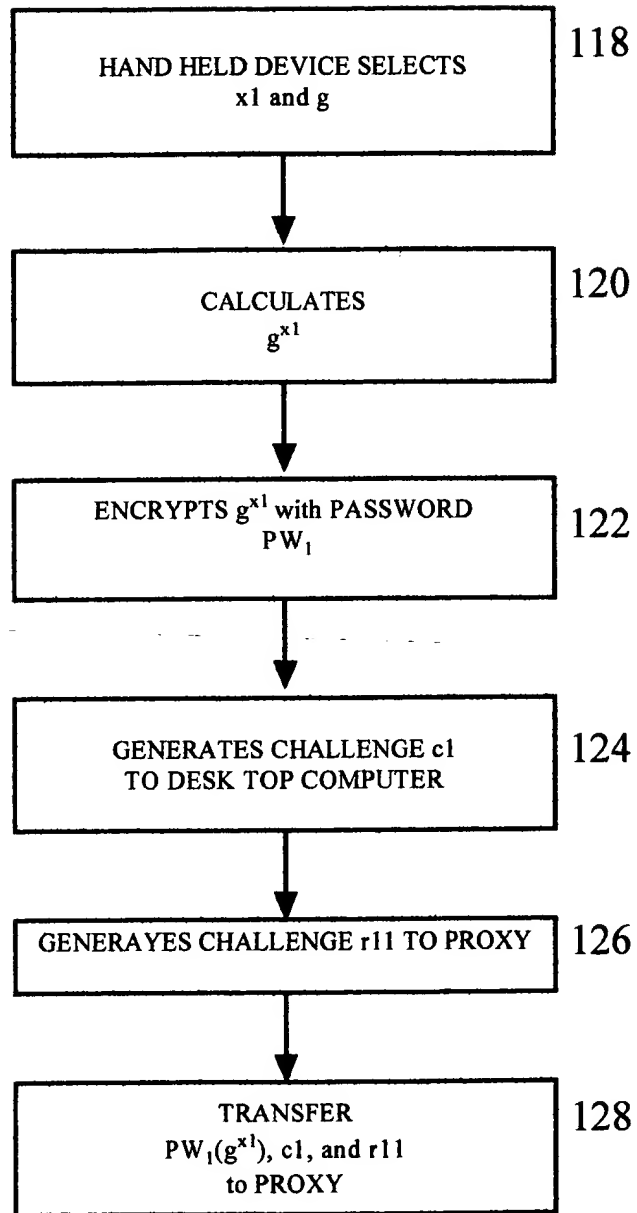


FIG 10

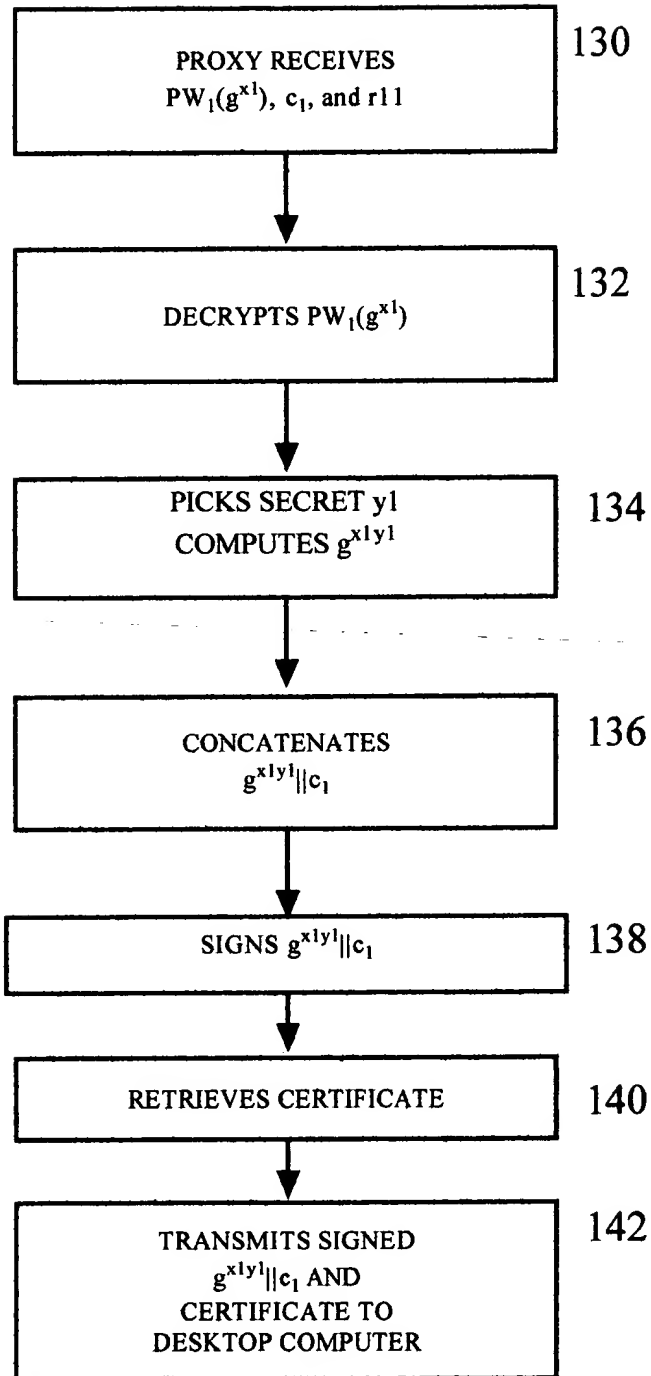


FIG 11

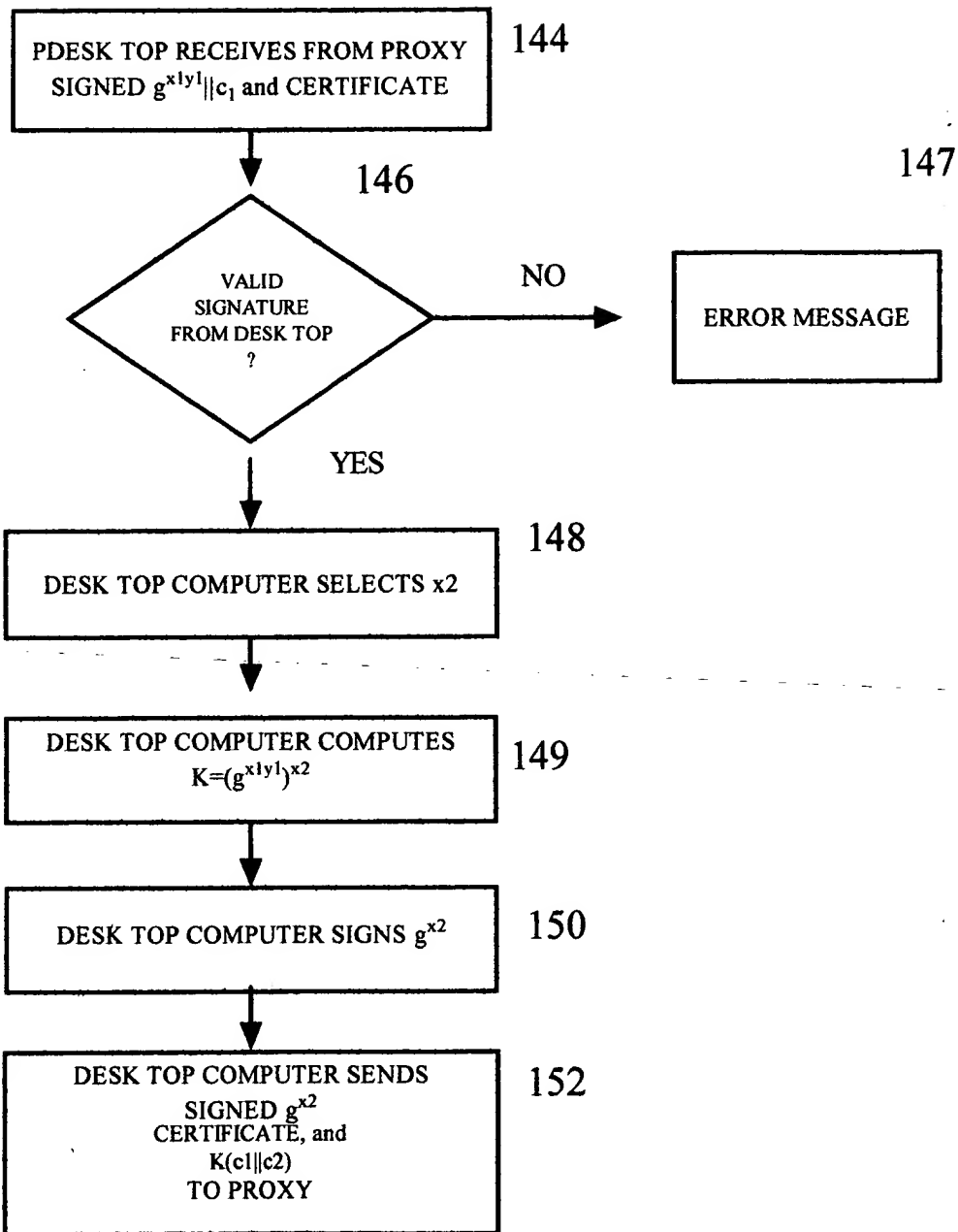


FIG 12

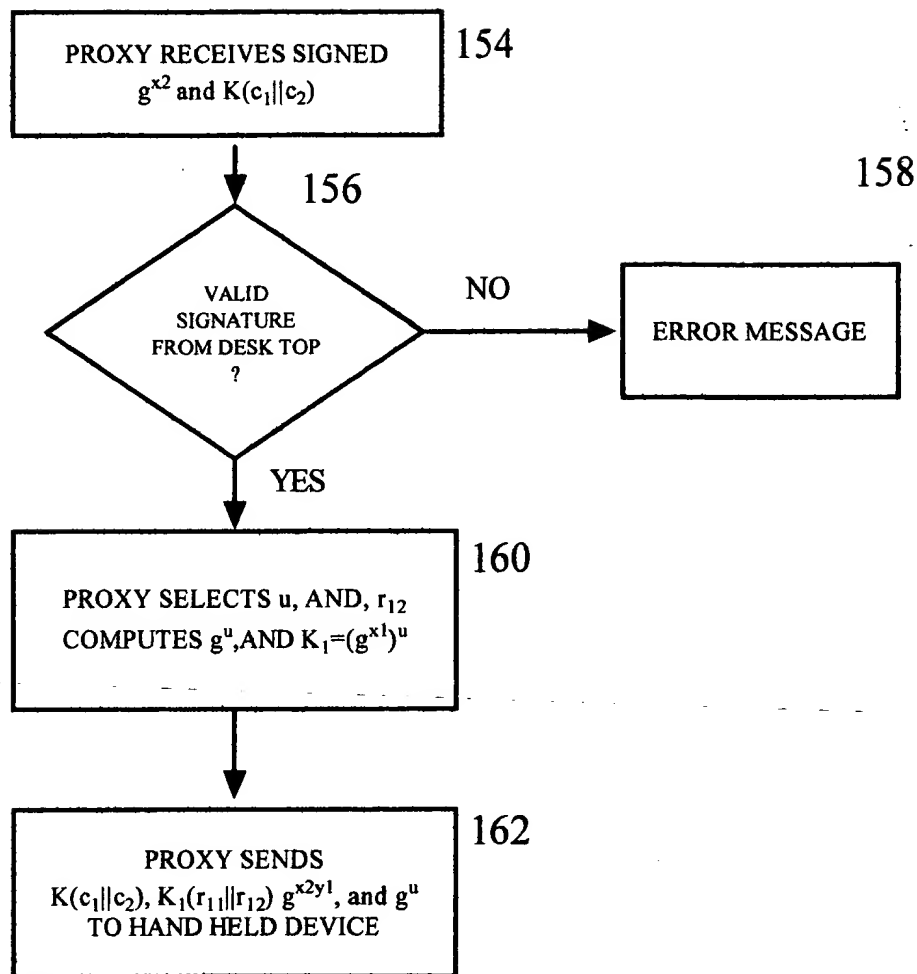


FIG 13

HAND HELD RECEIVES
 $g^u, g^{x_2y_1}$, AND
 $K(c_1||c_2)$

159



CALCULATES
END-TO-END SESSION KEY $K=(g^{x_2y_1})^{x_1}$,
AND
LOCAL SESSION KEY $K_l=(g^u)^{x_1}$

161

FIG 14

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

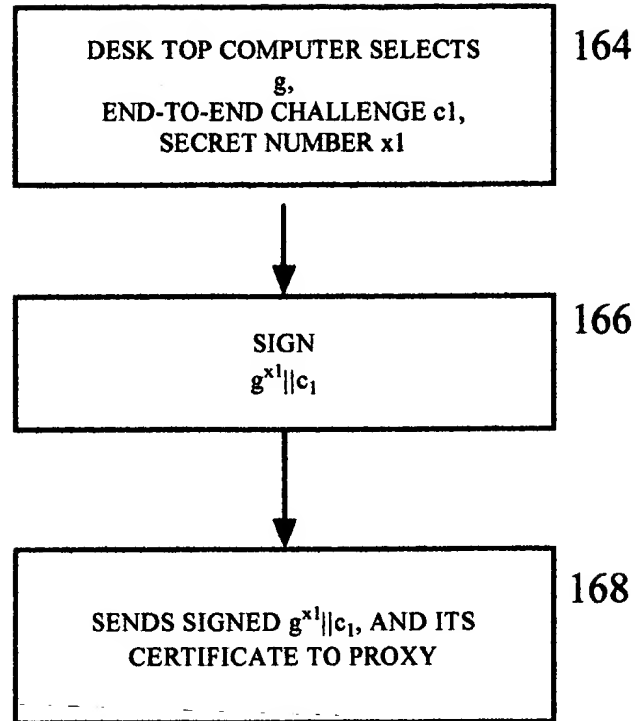


FIG 15

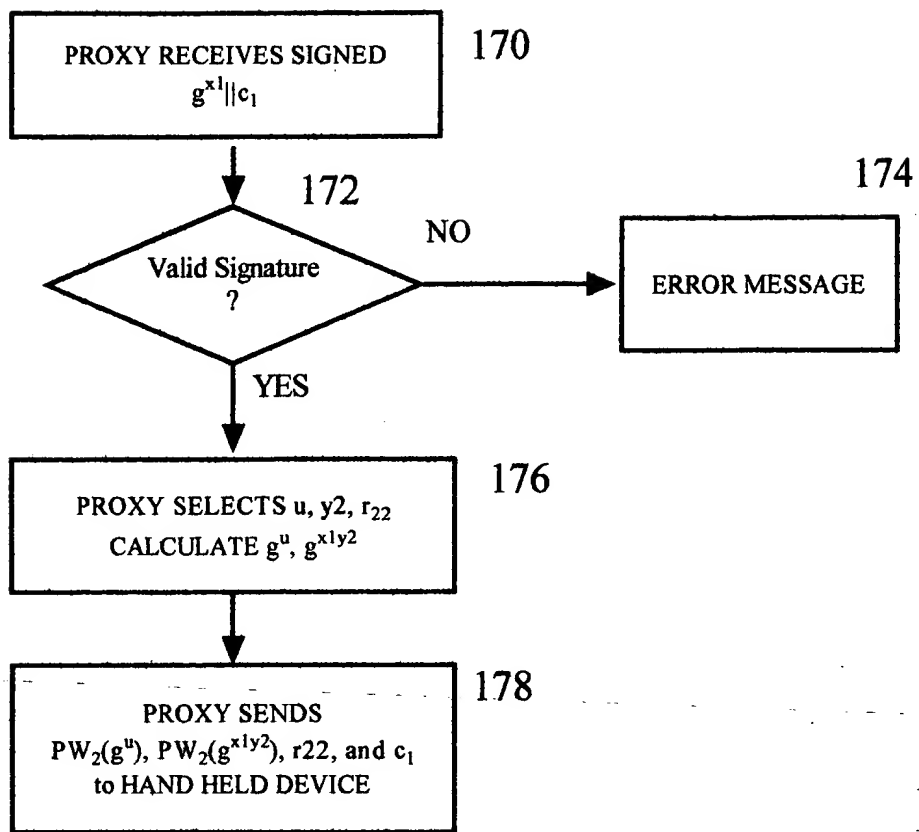


FIG 16

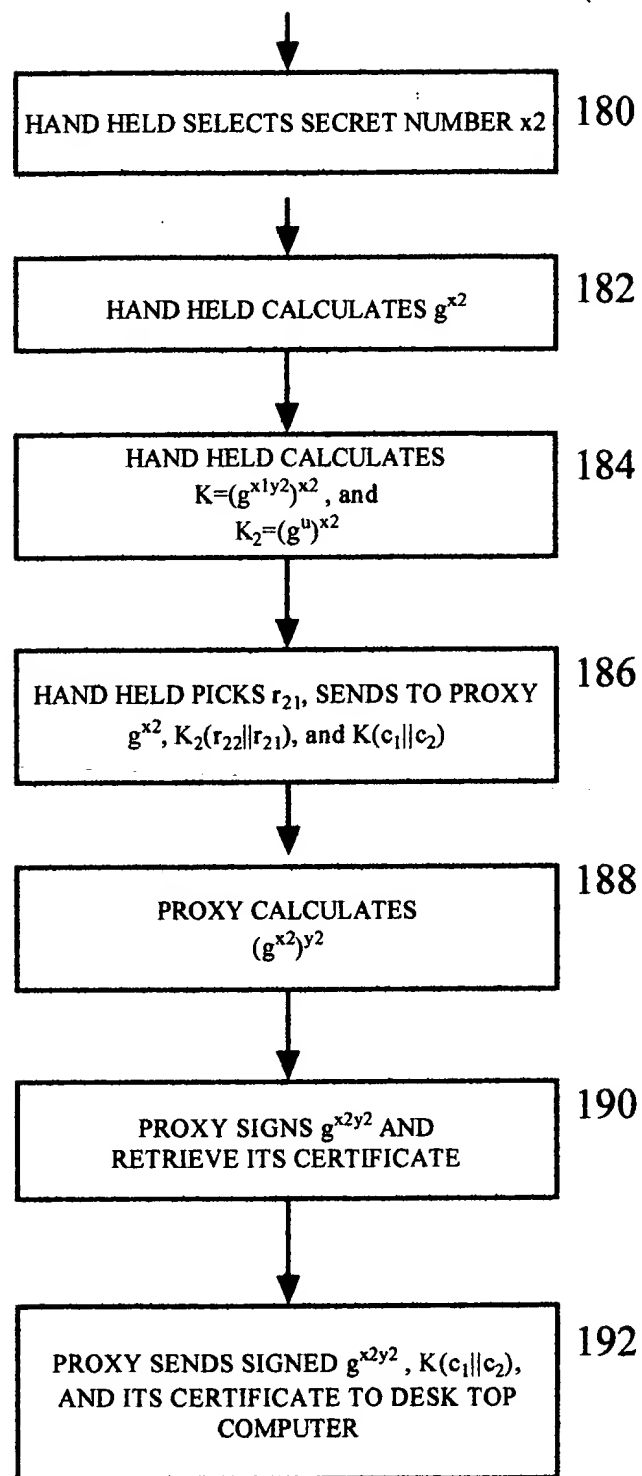


FIG 17

DESK TOP COMPUTED
RECEIVES
SIGNED ($g^{x_2 y_2}$) CERT
+ $K(C_2 || C_1)$

194

VALIDATES
SIGNED $g^{x_2 y_2}$
?

196

NO

198
ERROR
MESSAGE

YES

200

COMPUTES
 $K = g^{(x_2 y_2)} x_1$

FIG 18

0054401.05401